

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 701  | 180/68.5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/14 16:05 |
| L2    | 33   | 1 and (protection protect protecting) and (fuel adj cell)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/14 16:19 |
| L3    | 708  | (fuel adj cell) and (deform\$5) and (protect\$4)  | US-PGPUB  | OR               | ON      | 2006/03/14 16:19 |
| L4    | 4    | ((fuel adj cell) and (deform\$5) and (protect\$4)).clm.   | US-PGPUB  | OR               | ON      | 2006/03/14 16:31 |
| L5    | 20   | ((("3703300") or ("3750100") or ("3792874") or ("3793498") or ("3794136") or ("6644688") or ("3945459") or ("3908781") or ("3830329") or ("3834483")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/14 16:39 |
| L6    | 1108 | 180/274   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/14 16:44 |
| L7    | 535  | 307/10.7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/03/14 16:44 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S33 | 62   | (US-20020195290-\$ or<br>US-20030000758-\$ or<br>US-20030034186-\$ or<br>US-20040099462-\$ or<br>US-20040117089-\$ or<br>US-20050051376-\$).did. or<br>(US-4365681-\$ or US-4381829-\$ or<br>US-4639563-\$ or US-4836024-\$ or<br>US-4934478-\$ or US-4997728-\$ or<br>US-5003190-\$ or US-5193635-\$ or<br>US-5261505-\$ or US-5281780-\$ or<br>US-5389824-\$ or US-5408214-\$ or<br>US-5435409-\$ or US-5483447-\$ or<br>US-5484166-\$ or US-5531290-\$ or<br>US-5574316-\$ or US-5577569-\$ or<br>US-5641031-\$ or US-5648657-\$ or<br>US-5662184-\$ or US-5680909-\$ or<br>US-5704644-\$ or US-5775750-\$ or<br>US-5793005-\$ or US-5797111-\$).<br>did. or (US-5816358-\$ or<br>US-5825098-\$ or US-5908077-\$ or<br>US-5934703-\$ or US-6023664-\$ or<br>US-6070113-\$ or US-6104100-\$ or<br>US-6166454-\$ or US-6167335-\$ or<br>US-6220380-\$ or US-6328126-\$ or<br>US-6354261-\$ or US-6378637-\$ or<br>US-6443509-\$ or US-6553295-\$ or<br>US-6553846-\$ or US-6591924-\$ or<br>US-6598648-\$ or US-6598691-\$ or<br>US-6640174-\$ or US-6755266-\$ or<br>US-6843336-\$ or US-6845839-\$ or<br>US-6860357-\$ or US-6874588-\$ or<br>US-6889785-\$ or US-6905138-\$).<br>did. or (US-6907947-\$ or<br>US-6923282-\$ or US-6935449-\$).<br>did. | US-PGPUB;<br>USPAT                                    | OR | ON | 2006/02/08 15:38 |
| S34 | 25   | S33 and deform\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/08 15:38 |
| S35 | 14   | ("3859482"   "3876011"   "3905015"<br>  "4262749"   "4349809"  <br>"4633967"   "4802548"   "4930852"<br>  "4988862"   "4995639"  <br>"4999141"   "5260520"   "5267995"<br>  "5335749").PN. OR ("5531290").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/02/08 15:46 |
| S36 | 4389 | amount and (deform\$5 strain<br>stress) and (fuel adj cell)  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/02/08 15:47 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S37 | 96   | (amount quantity) near (deform\$5 strain stress) and (fuel adj cell)   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 15:47 |
| S38 | 96   | ((amount quantity) near (deform\$5 strain stress)) and (fuel adj cell) | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:00 |
| S39 | 6317 | (collision impact protection explosion) and (fuel adj cell)            | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:01 |
| S40 | 5638 | (collision impact protection) and (fuel adj cell)                      | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:02 |
| S41 | 66   | "280".clas. and S40  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:12 |
| S42 | 219  | "180".clas. and S40  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:12 |
| S43 | 189  | S42 not S41  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/08 16:12 |
| S44 | 0    | b60r021/9.ipc.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/02/09 13:49 |
| S45 | 0    | b60r021/9.ipc.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/02/09 13:49 |
| S46 | 182  | b60r021/09.ipc.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/02/09 14:53 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S47 | 68  | (US-20010050189-\$ or<br>US-20020195290-\$ or<br>US-20030000758-\$ or<br>US-20030034186-\$ or<br>US-20040099462-\$ or<br>US-20040117089-\$ or<br>US-20050051376-\$).did. or<br>(US-3859482-\$ or US-4365681-\$ or<br>US-4381829-\$ or US-4633967-\$ or<br>US-4639563-\$ or US-4836024-\$ or<br>US-4934478-\$ or US-4997728-\$ or<br>US-5003190-\$ or US-5193635-\$ or<br>US-5261505-\$ or US-5281780-\$ or<br>US-5389824-\$ or US-5408214-\$ or<br>US-5435409-\$ or US-5483447-\$ or<br>US-5484166-\$ or US-5518271-\$ or<br>US-5531290-\$ or US-5574316-\$ or<br>US-5577569-\$ or US-5641031-\$ or<br>US-5648657-\$ or US-5662184-\$ or<br>US-5680909-\$ or US-5704644-\$).<br>did. or (US-5775750-\$ or<br>US-5793005-\$ or US-5797111-\$ or<br>US-5816358-\$ or US-5825098-\$ or<br>US-5908077-\$ or US-5934703-\$ or<br>US-6023664-\$ or US-6070113-\$ or<br>US-6104100-\$ or US-6166454-\$ or<br>US-6167335-\$ or US-6220380-\$ or<br>US-6328126-\$ or US-6354261-\$ or<br>US-6378637-\$ or US-6443509-\$ or<br>US-6553295-\$ or US-6553846-\$ or<br>US-6591924-\$ or US-6598648-\$ or<br>US-6598691-\$ or US-6640174-\$ or<br>US-6755266-\$ or US-6843336-\$ or<br>US-6845839-\$ or US-6860357-\$).<br>did. or (US-6874588-\$ or<br>US-6889785-\$ or US-6905138-\$ or<br>US-6907947-\$ or US-6923282-\$ or<br>US-6935449-\$).did. or (EP-805080-\$<br>or EP-810124-\$).did. | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2006/02/09 13:55 |
| S54 | 100 | ((amount quantity) near (deform\$5<br>strain stress)) and (fuel adj cell)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/14 11:18 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S55 | 69 | (US-20030034186-\$ or<br>US-20030000758-\$ or<br>US-20020195290-\$ or<br>US-20050051376-\$ or<br>US-20040117089-\$ or<br>US-20040099462-\$ or<br>US-20010050189-\$).did. or<br>(US-6845839-\$ or US-6104100-\$ or<br>US-5662184-\$ or US-5775750-\$ or<br>US-5648657-\$ or US-5574316-\$ or<br>US-5408214-\$ or US-5641031-\$ or<br>US-6378637-\$ or US-5577569-\$ or<br>US-5193635-\$ or US-5704644-\$ or<br>US-6220380-\$ or US-5816358-\$ or<br>US-6598691-\$ or US-6874588-\$ or<br>US-6755266-\$ or US-6907947-\$ or<br>US-6889785-\$ or US-6923282-\$ or<br>US-6591924-\$ or US-6843336-\$ or<br>US-6860357-\$ or US-6935449-\$ or<br>US-6905138-\$ or US-5908077-\$).<br>did. or (US-6598648-\$ or<br>US-6640174-\$ or US-4997728-\$ or<br>US-4365681-\$ or US-6443509-\$ or<br>US-5003190-\$ or US-4381829-\$ or<br>US-4639563-\$ or US-5825098-\$ or<br>US-5261505-\$ or US-5531290-\$ or<br>US-5484166-\$ or US-4934478-\$ or<br>US-6354261-\$ or US-5483447-\$ or<br>US-6553295-\$ or US-6328126-\$ or<br>US-6166454-\$ or US-4633967-\$ or<br>US-5797111-\$ or US-6070113-\$ or<br>US-5389824-\$ or US-6023664-\$ or<br>US-6553846-\$ or US-5793005-\$ or<br>US-6167335-\$ or US-5680909-\$).<br>did. or (US-5934703-\$ or<br>US-5435409-\$ or US-4836024-\$ or<br>US-5281780-\$ or US-3859482-\$ or<br>US-5518271-\$ or US-6802875-\$).<br>did. or (EP-810124-\$ or<br>EP-805080-\$).did. | US-PGPUB;<br>USPAT;<br>EPO                            | OR | ON | 2006/03/14 13:11 |
| S56 | 22 | S55 and ((fuel adj cell) fuelcell)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/03/14 13:30 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S57 | 25   | ("4132284"   "4153127"   "4288728"<br>  "4387325"   "4557225"  <br>"4602694"   "4626962"   "4698562"<br>  "4763225"   "4773494"  <br>"4789343"   "4899256"   "5012656"<br>  "5461542"   "5504655"  <br>"5510658"   "5533905"   "5598899"<br>  "6099325"   "6313991"  <br>"6404607"   "6404628"   "6408240"<br>  "6560115"   "6648062").PN. OR<br>("6907947").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/03/14 13:32 |
| S58 | 2    | ("4633967").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/14 14:57 |
| S59 | 2817 | stroke adj sensor  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/03/14 16:05 |